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## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

- 1. (Previously presented) A plastic article having a bearing surface, comprising:
  - a polymeric matrix material; and
- a first additive that is a lubricious reinforcing graphitized pitch-based carbon fiber having a thermal conductivity of at least about 50 W/m°K.
- (Original) The plastic article of claim 1, wherein the first additive has a tensile strength of at least 2. about 200 KSI.
- (Original) The plastic article of claim 1, wherein the first additive has a tensile modulus of at least 3. about 100 MSI.
- 4. (Original) The plastic article of claim 1, wherein the first additive has a coefficient of thermal expansion of about - 1.4 parts per million/°C.
- (Previously presented) The plastic article of claim 3, wherein the first additive has a density of at 5. least about 2.0 gm/cm<sup>3</sup>.
- (Original) The plastic article of claim 1, wherein the first additive has a thermal conductivity 6. ranging from about 200 to about 1000 W/m°K.
- 7. (Original) The plastic article of claim 1, wherein the first additive has a thermal conductivity ranging from about 400 to about 800 W/m°K.
- (Original) The plastic article of claim 1, wherein the article comprises from about 5 percent to 8. about 70 percent by weight of the first additive, based on the total weight of the article.
- (Original) The plastic article of claim 1, wherein the article comprises from about 30 percent to 9. about 60 percent by weight of the first additive, based on the total weight of the article.

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(Original) The plastic article of claim 1, wherein the article comprises from about 35 percent to 10. about 55 percent by weight of the first additive, based on the total weight of the article.

- (Original) The plastic article of claim 1, wherein the article comprises a wear factor of less than 11. about 40 under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 1, wherein the article comprises a wear factor of less than 12. about 100 under a load of about 200 psi and a velocity of about 50 feet per minute.
- 13. (Original) The plastic article of claim 1, wherein the article comprises a wear factor of less than about 200 under a load of about 200 psi and a velocity of about 50 feet per minute.
- 14. (Original) The plastic article of claim 1, wherein the article comprises a coefficient of friction of less than about 0.40 under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 1, wherein the article comprises a maximum temperature of 15. less than about 250°F under a load of about 200 psi and a velocity of about 50 feet per minute.
- 16. (Original) The plastic article of claim 1, wherein the article comprises a wear factor of less than about 40 under a load of about 2000 psi and at a speed of about 50 feet per minute.
- (Original) The plastic article of claim 1, wherein the article comprises a wear factor of less than 17. about 100 when measured under a load of about 200 psi and at a speed of about 500 feet per minute.
- (Original) The plastic article of claim 1, wherein the polymeric matrix material is selected from 18. the group consisting of polyamideimide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof.
- (Previously presented) The plastic article of claim 1, wherein the lubricious reinforcing fiber is 19. selected from the group consisting of graphitized pitch-based carbon fibers having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about

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2.15 to about 2.25 gm/cm3, a Tc ranging from about 400 to about 1100 W/m°K, and a diameter ranging from about 7 microns to about 10 microns and combinations thereof.

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- (Original) The plastic article of claim 1, further comprising a second additive that is lubricious. 20.
- (Original) The plastic article of claim 20, wherein the article comprises a wear factor of less than 21. about 200 under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 20, wherein the article comprises a wear factor of less than 22. about 100 under a load of about 200 psi and a velocity of about 50 feet per minute.
- 23. (Original) The plastic article of claim 20, wherein the article comprises a wear factor of less than about 25 under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 20, wherein the article comprises a coefficient of friction of 24. less than about 0.40 under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 20, wherein the article comprises a maximum temperature 25. of less than about 250°F under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 20, wherein the article comprises a wear factor of less than 26. about 100 under a load of about 2000 psi and at a speed of about 50 feet per minute.
- (Original) The plastic article of claim 20, wherein the article comprises a wear factor of less than 27. about 250 when measured under a load of about 200 psi and at a speed of about 500 feet per minute.
- 28. (Original) The plastic article of claim 20, wherein the article comprises from about 2 percent to about 75 percent by weight of the first additive and about 2 percent to about 75 percent by weight of the second additive, based on the total weight of the article.
- (Original) The plastic article of claim 20, wherein the article comprises from about 20 percent to 29. about 60 percent by weight of the first additive and about 20 percent to about 60 percent by weight of the second additive, based on the total weight of the article.

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30. (Original) The plastic article of claim 29, wherein the article comprises from about 15 percent to about 40 percent by weight of the first additive and about 15 percent to about 40 percent by weight of the second additive, based on the total weight of the article.

- (Original) The plastic article of claim 20, wherein the polymeric matrix material is selected from 31. the group consisting of polyamideimide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof.
- (Previously presented) The plastic article of claim 20, wherein the first additive is selected from 32. the group consisting of graphitized pitch-based carbon fibers having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about 2.15 to about 2.25 gm/cm<sup>3</sup>, a Tc ranging from about 400 to about 1100 W/m<sup>o</sup>K, and a diameter ranging from about 7 microns to about 10 microns, and combinations thereof.
- (Original) The plastic article of claim 20, wherein the second additive is selected from the group 33. consisting of boron nitride, carbon, graphite, molybdenum disulfide, talc, tetrafluoroethylene, and combinations thereof.
- (Original) The plastic article of claim 20, wherein the plastic article comprises about 60 percent 34. by weight of the first additive, and about 10 percent by weight of the second additive, based on the total weight of the article.
- 35. (Previously presented) The plastic article of claim 34, wherein the first additive is a graphitized pitch-based carbon fiber having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about 2.15 to about 2.25 gm/cm3, a Tc ranging from about 400 to about 1100 W/m°K, and a diameter ranging from about 7 microns to about 10 microns, the second additive is boron nitride platelets, and the polymeric matrix material is selected from the group consisting of polyamideimide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof.
- (Previously presented) The plastic article of claim 34, wherein the first additive is a graphitized 36. pitch-based carbon fiber having a tensile strength of greater than about 200 KSI, a tensile modulus greater

polymer, and combinations thereof.

than about 100 MSI, a density ranging from about 2.15 to about 2.25 gm/cm3, a Tc ranging from about 400 to about 1100 W/m°K, and a diameter ranging from about 7 microns to about 10 microns, the second additive is tetrafluoroethylene, and the polymeric matrix material is selected from the group consisting of polyamideimide, polyetherimide, polyetheretherketone, polyphenylene sulfide, liquid crystal

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37. (Previously presented) A plastic article having a bearing surface, comprising:

a polymeric matrix material; and

about 5 percent to about 75 percent by weight of a first additive comprising graphitized pitch-based carbon fibers\_having a density of at least about 2.0 gm/cm<sup>3</sup>;

wherein the plastic article has a wear factor of less than about 200 under a load of about 200 psi and a velocity of about 50 feet per minute.

- 38. (Original) The plastic article of claim 37, wherein the polymeric matrix material is selected from the group consisting of polyamideimide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof.
- 39. (Previously presented) The plastic article of claim 38, wherein the first additive is selected from the group consisting of graphitized pitch-based carbon fibers having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about 2.15 to about 2.25 gm/cm3, a Tc ranging from about 400 to about 1100 W/m°K, and a diameter ranging from about 7 microns to about 10 microns and combinations thereof.
- 40. (Previously presented) A plastic article having a bearing surface, comprising:

a polymeric matrix material selected from the group consisting of polyamideimide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof; and

about 5 percent to about 75 percent by weight of a first additive selected from the group consisting of graphitized pitch-based carbon fibers having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about 2.15 to about 2.25 gm/cm3, a Tc ranging from about 400 to about 1100 W/m°K, and a diameter ranging from about 7 microns to about 10 microns and combinations thereof;

wherein the plastic article has a wear factor of less than about 200 under a load of about 200 psi and a velocity of about 50 feet per minute.

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41. (Previously presented) A plastic article having a bearing surface, comprising:

a polymeric matrix material;

about 2 percent to about 75 percent by weight of a first additive comprising graphitized pitch-based carbon fibers having a density of at least about 2.0 gm/cm<sup>3</sup>; and

about 2 percent to about 75 percent by weight of a second additive,

wherein the plastic article has a wear factor of less than about 200 under a load of about 200 psi and a velocity of about 50 feet per minute.

- 42. (Original) The plastic article of claim 41, wherein the polymeric matrix material is selected from the group consisting of polyamideimide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof.
- 43. (Previously presented) The plastic article of claim 42, wherein the first additive is selected from the group consisting of graphitized pitch-based carbon fibers having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about 2.15 to about 2.25 gm/cm3, a Tc ranging from about 400 to about 1100 W/m°K, and a diameter ranging from about 7 microns to about 10 microns and combinations thereof.
- 44. (Original) The plastic article of claim 43, wherein the second additive is selected from the group consisting of boron nitride, carbon, graphite, molybdenum disulfide, talc, tetrafluoroethylene, and combinations thereof.
- 45. (Previously presented) A plastic article having a bearing surface, comprising:

a polymeric matrix material selected from the group consisting of polyamideimide, polyetherimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof;

about 2 percent to about 75 percent by weight of a first additive selected from the group consisting of graphitized pitch-based carbon fibers having a tensile strength of greater than about 200 KSI, a tensile modulus greater than about 100 MSI, a density ranging from about 2.15 to about 2.25

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gm/cm3, a Tc ranging from about 400 to about 1100 W/mEK, and a diameter ranging from about 7 microns to about 10 microns, and combinations thereof; and

about 2 percent to about 75 percent by weight of a second additive selected from the group consisting of boron nitride, carbon, graphite, molybdenum disulfide, talc, tetrafluoroethylene, and combinations thereof;

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wherein the plastic article has a wear factor of less than about 200 under a load of about 200 psi and a velocity of about 50 feet per minute.

- 46. (Previously presented) A plastic article having a bearing surface, comprising:
  - a polymeric matrix material;
  - a lubricious reinforcing first additive comprising graphitized pitch-based carbon fibers; and
  - a lubricious second additive;
- wherein the article has a wear factor of less than about 25 under a load of about 200 psi and a velocity of about 50 feet per minute.
- 47. (Previously presented) The plastic article of claim 46, wherein the second additive is selected from the group consisting of boron nitride, carbon, graphite, molybdenum disulfide, talc, tetrafluoroethylene, and combinations thereof.
- 48. (Original) The plastic article of claim 46, wherein the first additive is thermally conductive.
- 49. (Original) The plastic article of claim 48, wherein the first additive is a graphitized carbon fiber having a density of at least about 2.0 gm/cm<sup>3</sup>.
- 50. (Original) The plastic article of claim 46, wherein the second additive is tetrafluoroethylene.
- 51. (Original) The plastic article of claim 49, wherein the second additive is boron nitride platelet.
- 52. (Original) The plastic article of claim 48, wherein the first additive has a thermal conductivity ranging from about 50 to about 1500 W/m°K.
- 53. (Original) The plastic article of claim 48, comprising at least about 5 percent to about 75 percent by weight of the first additive, based on the total weight of the article.

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(Original) The plastic article of claim 53, comprising at least about 2 percent by weight to about 54. 75 percent by weight of the second additive, based on the total weight of the article.

(Original) The plastic article of claim 48, comprising at least about 2 percent to about 75 percent 55. by weight of the first additive, and at least about 2 percent to about 75 percent by weight of the second additive, based on the total weight of the article.

(Original) The plastic article of claim 48, wherein the polymeric matrix material is selected from 56. the group consisting of polyamide mide, polyetherimide, polyimide, polyetheretherketone, polyphenylene sulfide, liquid crystal polymer, and combinations thereof.

- (Original) The plastic article of claim 48, wherein the article comprises a wear factor of less than 57. about 100 under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 46, wherein the article comprises a coefficient of friction of 58. less than about 0.40 under a load of about 200 psi and a velocity of about 50 feet per minute.
- 59. (Original) The plastic article of claim 46, wherein the article comprises a maximum temperature of less than about 250°F under a load of about 200 psi and a velocity of about 50 feet per minute.
- (Original) The plastic article of claim 46, wherein the article comprises a wear factor of less than 60. about 100 under a load of about 2000 psi and at a speed of about 50 feet per minute.
- (Original) The plastic article of claim 46, wherein the article comprises a wear factor of less than 61. about 250 when measured under a load of about 200 psi and at a speed of about 500 feet per minute.
- (Original) The plastic article of claim 46, wherein the lubricious reinforcing first additive includes 62. a solid lubricant.
- (Original) The plastic article of claim 62, wherein the lubricious reinforcement fiber includes a 63. solid lubricant.

64. (Original) The plastic article of claim 62, wherein the lubricious reinforcement fiber is coated with the solid lubricant.

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- 65. (Original) The plastic article of claim 62, wherein the lubricious reinforcement fiber and the solid lubricant are unitary.
- 66. (Original) The plastic article of claim 62, wherein the solid lubricant is graphite.
- 67. (Original) The plastic article of claim 63, wherein the solid lubricant is graphite.
- 68. (Original) The plastic article of claim 64, wherein the solid lubricant is graphite.
- 69. (Original) The plastic article of claim 46, wherein the article comprises a thermal conductivity of less than about 10 W/m°K.
- 70. 81. (Cancelled)
- 82. (Previously presented) An additive for a polymeric matrix material, comprising:

  a lubricious reinforcing first additive comprising graphitized pitch-based carbon fibers;
  and
  a lubricious second additive.
- 83. (Previously presented) A plastic article having a bearing surface, comprising:
  - a polymeric matrix material; and
- a first additive that is a lubricious graphitized pitch-based\_carbon fiber having a thermal conductivity of at least about 50 W/m°K.
- 84. (Previously presented) A plastic article having a bearing surface, comprising:
  - a polymeric matrix material;
  - a first additive that is a lubricious
- a first additive that is a lubricious graphitized pitch-based\_carbon fiber having a thermal conductivity of at least about 50 W/m°K; and
  - a lubricious second additive.

- 85. (Previously presented) A plastic article having a bearing surface, comprising:
  - a polymeric matrix material;
- a first additive that is a lubricious graphitized pitch-based carbon fiber having a thermal conductivity of at least about 50 W/m°K; and

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- a lubricious second additive selected from the group consisting of boron nitride, carbon, graphite, molybdenum disulfide, talc, tetrafluoroethylene, and combinations thereof.
- 86. (New) The article of claim 1, wherein the article is formed by injection molding.
- 87. (New) The article of claim 1, wherein the distribution of the additive in the article is homogeneous.
- 88. (New) The article of claim 1, wherein the article is a sleeve bearing.